

*Weaver
Boos &
Gordon, Inc.*

2 C1d
ALBUQUERQUE, NM
GLEN ELLYN, IL
GRIFFITH, IN
SPRINGFIELD, IL

200 SOUTH MICHIGAN AVENUE • SUITE 900 • CHICAGO, ILLINOIS 60604 • 312/922-1030 FAX 922-0201

April 18, 2001
Project #0072-01-14

Office of Land Quality
Indiana Department of Environmental Management
100 North Senate Ave.
P.O. Box 6015
Indianapolis, IN 46206-6015
Attn: Greg Overtoom

Re: Groundwater Monitoring
Feddeler C/D Landfill, #45-08, Lake County

Dear Mr. Overtoom:

On behalf of our client, R&M Enterprises, Weaver Boos & Gordon, Inc. is herein submitting three copies of the analytical results from the groundwater sampling event that took place December 28-29, 2000 at the above referenced facility. As discussed previously with IDEM, flush mounted monitoring wells MW-12 and MW-13 could not be located in December 2000 due to heavy snow cover. After the snow melted, we obtained groundwater samples from these two wells on March 5, 2001.

Field procedures were implemented in accordance with the site-specific Sampling and Analysis Plan, dated November 3, 1997, Revised March 17, 1998. The laboratory analytical reports from the December 2000 and March 2001 sampling dates and groundwater sampling field forms are attached. Note that we transmitted an electronic copy of the analytical results to you via email.

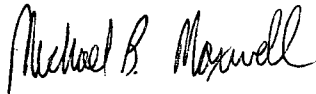
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Mr. Greg Overtoom
April 18, 2001
Page 2

We trust that the enclosed is sufficient for your current needs. If you have additional questions concerning the enclosed data, please contact us at your convenience.

Sincerely,

Weaver Boos & Gordon, Inc.



Michael B. Maxwell
Project Geologist



Timothy A. Boos, CPG
Principal

Attachments

cc: Ms. Julie Feddeler - R&M Enterprises (w/ attachments)

WEAVER BOOS & GORDON, INC.

200 South Michigan Ave., Suite 900

Chicago, IL 60604

Groundwater Sampling Field Form

Date: 12/28/00

Site: **Feddeler Construction/Demolition Site**
File: 0072-01-14

Location: Lowell, Indiana Permit No.: 45-08

Name of Person(s) Sampling: Amanda Brotz Title: Geologist

Monitoring Well No.: MW-1 Upgradient: X Downgradient: _____

Top of Procover: NA MSL Top of PVC: 702.80 MSL Ground Surface: NA MSL

Ground Water Depth (from top of PVC): 22.18 ft. 680.62 MSL Measured Well Depth (fr. top pvc) 34.1 ft. 648.7 MSL

Water Volume in Casing: 1.9 gal. Time Purge Started: 0900 Installed Well Depth 35.1 ft. 667.7 MSL

2" well contains 0.163 gallons/foot

Time Purge Ended 0920

Differential 1 ft. MSL
Corrective Action Required Yes _____ No X
(Differential +/- 2 feet)

Well Diameter: 2 Total Volume Purged: 8.5 gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No

Bailer/Pump: PVC Dedicated? Yes No Disposable? Yes No

Field Meters (pH, Eh, SC): pH, SC, T° Dedicated? Yes No Disposable? Yes No

Field Equipment: WATER LEVEL LOG Dedicated? Yes No Disposable? Yes No

Method of Decontamination: PERISTALTIC PUMP LIQUINOX BATH

Sample Condition: Color: SLIGHTLY TURBID Odor: NONE

Sample Time: 0921

Field Measurements:	#1	#2	#3	mean	#4	new mean	#5	#6	std. units
pH	7.76	7.32	7.27	7.45	7.25	7.38	7.25		
Specific Conductivity	492	596	602	563	607	601	604		umhos/cm
Temperature	9.4	11.7	11.6	10.9	11.8	11.7	11.3		°C

Well Recharge: Very Poor Poor Fair Moderate Good Very Good

Weather Conditions: Temperature: 10°F Skies: Clear Partly Cloudy Cloudy

Precipitation: SNOW Light Moderate Heavy

Wind Speed/Direction: CALM N NE E SE S SW W NW

Notes/Observations: _____

* CUT LOCK - NO KEY C OFFICE

Sampler(s) Signature: Amanda Brotz

WEAVER BOOS & GORDON, INC.

200 South Michigan Ave., Suite 900

Chicago, IL 60604

Groundwater Sampling Field Form

Date: 12/28/00

Site: **Feddeler Construction/Demolition Site**
File: 0072-01-14

Location: Lowell, Indiana

Permit No.: 45-08

Name of Person(s) Sampling: A. Brotz Title: Geologist

Monitoring Well No.: MW-2 Upgradient: _____ Downgradient: X

Top of Procover: NA MSL Top of PVC: 675.30 MSL Ground Surface: NA MSL

Ground Water Depth (from top of PVC): 4.31 ft. 670.99 MSL Measured Well Depth (fr. top pvc) 30.28 ft. 645.62 MSL

Water Volume in Casing: 2.83 gal. Time Purge Started: 1335 Installed Well Depth 30.7 ft. 644.6 MSL

2" well contains 0.163 gallons/foot 4.2 Time Purge Ended 1400 Differential 0.42 ft. _____ MSL
4" well contains 0.652 gallons/foot _____ Corrective Action Required Yes _____ No X
(Differential +/- 2 feet)

Well Diameter: 2 Total Volume Purged: 14 gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No

Bailer/Pump: PVC Dedicated? Yes No Disposable? Yes No

Field Meters (pH, Eh, SC): pH, SC, T° Dedicated? Yes No Disposable? Yes No

Field Equipment: WATER LEVEL Dedicated? Yes No Disposable? Yes No

Method of Decontamination: PERISTOLIC PUMP LIQUINOX BATH

Sample Condition: Color: TURBID - GRAY Odor: NONE

Sample Time: 1402

Field Measurements:	#1	#2	#3	mean	#4	new mean	#5	#6	std. units
pH	<u>7.27</u>	<u>7.25</u>	<u>7.20</u>	<u>7.24</u>	<u>7.20</u>	_____	_____	_____	_____
Specific Conductivity	<u>1753</u>	<u>1766</u>	<u>2360</u>	<u>1959</u>	<u>1913</u>	_____	_____	_____	umhos/cm
Temperature	<u>5.4</u>	<u>9.0</u>	<u>9.9</u>	<u>8.1</u>	<u>10.1</u>	_____	_____	_____	°C

Well Recharge: Very Poor Poor Fair Moderate Good Very Good

Weather Conditions: Temperature: 10 Skies: Clear Partly Cloudy Cloudy

Precipitation: NONE Light Moderate Heavy

Wind Speed/Direction: 5-10 N NE E SE S SW W NW

Notes/Observations: + CUT LOCK - NO KEY ON SITE

MW-14 TAKEN AS DUPLICATE

(SAMPLE TIME: 1407)

Sampler(s) Signature: Amanda Brotz

WEAVER BOOS & GORDON, INC.
200 South Michigan Ave., Suite 900
Chicago, IL 60604
Groundwater Sampling Field Form

Date: 12/28/00

Site: **Feddeler Construction/Demolition Site**
File: 0072-01-14

Location: **Lowell, Indiana**

Permit No.: 45-08

Name of Person(s) Sampling: A. Brotz Title: Geologist

Monitoring Well No.: MW-3 Upgradient: 688.65 Downgradient: X

Top of Procover: NA MSL Top of PVC: 688.65 MSL Ground Surface: NA MSL

Ground Water Depth (from top of PVC): NA ft. Measured Well Depth (fr. top pvc): 30.97 ft. Installed Well Depth: 31.5 ft. Differential: 0.53 ft. MSL

Water Volume in Casing: NA gal. Time Purge Started: NA Time Purge Ended: NA Corrective Action Required Yes No No X
2" well contains 0.163 gallons/foot
4" well contains 0.652 gallons/foot
(Differential +/- 2 feet)

Well Diameter: 2 Total Volume Purged: NA gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No

Bailer/Pump: NA Dedicated? Yes No Disposable? Yes No

Field Meters (pH, Eh, SC): NA Dedicated? Yes No Disposable? Yes No

Field Equipment: WATER LEVEL Dedicated? Yes No Disposable? Yes No

Method of Decontamination: LIQUINUX BATH

Sample Condition: Color: NA Odor: NA

Sample Time: NA

Field Measurements:	#1	#2	#3	mean	#4	new mean	#5	#6	std. units
pH	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>					
Specific Conductivity	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>					umhos/cm
Temperature	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>					°C

Well Recharge: Very Poor Poor Fair Moderate Good Very Good

Weather Conditions: Temperature: 15 Skies: Clear Partly Cloudy Cloudy

Precipitation: NONE Light Moderate Heavy
Wind Speed/Direction: 5-10 N NE E SE S SW W NW

Notes/Observations: WATER LEVEL ONLY

Sampler(s) Signature: Amanda Brotz

WEAVER BOOS & GORDON, INC.

200 South Michigan Ave., Suite 900

Chicago, IL 60604

Groundwater Sampling Field Form

Date: 12/28/00

Site: **Feddeler Construction/Demolition Site**
File: 0072-01-14

Location: **Lowell, Indiana**

Permit No.: 45-08

Name of Person(s) Sampling: A. Brotz Title: Geologist

Monitoring Well No.: MW-4 Upgradient: _____ Downgradient: _____

Top of Procover: NA MSL Top of PVC: 702.71 MSL Ground Surface: NA MSL

Ground Water Depth (from top of PVC): 23.5 ft. 702.71 MSL Measured Well Depth (fr. top pvc) 28 ft. 674.71 MSL

Water Volume in Casing: NA gal. Time Purge Started: NA Installed Well Depth 28.0 ft. 674.71 MSL
2" well contains 0.163 gallons/foot Time Purge Ended NA Differential 0 ft. _____ MSL
4" well contains 0.652 gallons/foot Corrective Action Required Yes _____ No X
(Differential +/- 2 feet)

Well Diameter: 2 Total Volume Purged: NA gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No

Bailer/Pump: NA Dedicated? Yes No Disposable? Yes No

Field Meters (pH, Eh, SC): NA Dedicated? Yes No Disposable? Yes No

Field Equipment: WATER LEVEL Dedicated? Yes No Disposable? Yes No

Method of Decontamination: LIQUINOX BATH

Sample Condition: Color: NA Odor: NA

Sample Time: NA

Field Measurements:	#1	#2	#3	mean	#4	new mean	#5	#6	std. units
pH	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	_____	_____	_____	_____
Specific Conductivity	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	_____	_____	_____	umhos/cm
Temperature	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	_____	_____	_____	°C

Well Recharge: Very Poor Poor Fair Moderate Good Very Good

Weather Conditions: Temperature: 15 Skies: Clear Partly Cloudy Cloudy

Precipitation: NONE Light Moderate Heavy
Wind Speed/Direction: 5-10 N NE E SE S SW W NW

Notes/Observations: WATER LEVEL ONLY

Sampler(s) Signature: Amanda Brotz

WEAVER BOOS & GORDON, INC.

200 South Michigan Ave., Suite 900

Chicago, IL 60604

Groundwater Sampling Field Form

Date: 12/28/00

Site: **Feddeler Construction/Demolition Site**
File: 0072-01-14

Location: Lowell, Indiana Permit No.: 45-08

Name of Person(s) Sampling: A. Brotz Title: GEOLOGIST

Monitoring Well No.: MW-5 Upgradient: X Downgradient: _____

Top of Procover: NA MSL Top of PVC: 706.96 MSL Ground Surface: NA MSL

Ground Water Depth (from top of PVC): NA ft. _____ MSL Measured Well Depth (fr. top pvc) NA ft. _____ MSL

Installed Well Depth 35.8 ft. 671.14 MSL

Water Volume in Casing: NA gal. Time Purge Started: NA Differential NA ft. _____ MSL

2" well contains 0.163 gallons/foot

Time Purge Ended NA Corrective Action Required Yes _____ No _____

4" well contains 0.652 gallons/foot

(Differential +/- 2 feet)

Well Diameter: 2 Total Volume Purged: NA gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No

Bailer/Pump: PVC Dedicated? Yes No Disposable? Yes No

Field Meters (pH, Eh, SC): pH, SC, T^o Dedicated? Yes No Disposable? Yes No

Field Equipment: WATER LEVEL Dedicated? Yes No Disposable? Yes No

PERISTOLIC PUMP

Method of Decontamination: _____

Sample Condition: Color: NA Odor: NA

Sample Time: NA

Field Measurements:	#1	#2	#3	mean	#4	new mean	#5	#6	std. units
pH	<u>NA</u>	<u>X</u>	<u>X</u>	<u>X</u>	_____	_____	_____	_____	_____
Specific Conductivity	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	_____	_____	_____	_____	umhos/cm
Temperature	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	_____	_____	_____	_____	°C

Well Recharge: Very Poor Poor Fair Moderate Good Very Good

Weather Conditions: Temperature: 15 °F Skies: Clear Partly Cloudy Cloudy

Precipitation: snow Light Moderate Heavy

Wind Speed/Direction: Calm N NE E SE S SW W NW

Notes/Observations: _____

*PROCOVER Bent

Well CAP BROKEN - NO SAMPLE OBTAINED

Sampler(s) Signature: Amanda Brotz

WEAVER BOOS & GORDON, INC.
200 South Michigan Ave., Suite 900
Chicago, IL 60604
Groundwater Sampling Field Form

Date: 12/28/00

Site: **Feddeler Construction/Demolition Site**
File: 0072-01-14

Location: Lowell, Indiana Permit No.: 45-08

Name of Person(s) Sampling: A. Brotz Title: GEOLOGIST

Monitoring Well No.: MW-6 Upgradient: X Downgradient: _____

Top of Procover: NA MSL Top of PVC: 695.97 MSL Ground Surface: NA MSL

Ground Water Depth (from top of PVC): 15.44 ft. 680.53 MSL Measured Well Depth (fr. top pvc) 32.2 ft. 663.77 MSL

Water Volume in Casing: 2.7 gal. Time Purge Started: 1134 Installed Well Depth 33.9 ft. 662.6 MSL
2" well contains 0.163 gallons/foot Time Purge Ended: 1153 Differential 1.7 ft. MSL
4" well contains 0.652 gallons/foot Corrective Action Required Yes No (Differential +/- 2 feet)

Well Diameter: 2 Total Volume Purged: 8.5 gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No

Bailer/Pump: PVC Dedicated? Yes No Disposable? Yes No

Field Meters (pH, Eh, SC): pH, SC, T° Dedicated? Yes No Disposable? Yes No

Field Equipment: WATER LEVEL Dedicated? Yes No Disposable? Yes No

Method of Decontamination: PARISTOLIC PUMP LIQUINOX BATH

Sample Condition: Color: TURBID/BROWN Odor: NONE

Sample Time: 1157

Field Measurements:	#1	#2	#3	mean	#4	new mean	#5	#6	std. units
pH	<u>7.33</u>	<u>7.30</u>	<u>7.28</u>	<u>7.30</u>	<u>7.27</u>	_____	_____	_____	
Specific Conductivity	<u>611</u>	<u>656</u>	<u>650</u>	<u>639</u>	<u>642</u>	_____	_____	_____	umhos/cm
Temperature	<u>8.8</u>	<u>8.0</u>	<u>9.5</u>	<u>8.8</u>	<u>10.04</u>	_____	_____	_____	°C

Well Recharge: Very Poor Poor Fair Moderate Good Very Good

Weather Conditions: Temperature: 13 Skies: Clear Partly Cloudy Cloudy

Precipitation: NONE Light Moderate Heavy
Wind Speed/Direction: 5-10 N NE E SE S SW W NW

Notes/Observations: WELL WORK HAD TO BE
BROKEN - NO KEY

Sampler(s) Signature: Amanda Brotz

WEAVER BOOS & GORDON, INC.
200 South Michigan Ave., Suite 900
Chicago, IL 60604
Groundwater Sampling Field Form

Date: 12/28/00

Site: **Feddeler Construction/Demolition Site**
File: 0072-01-14

Location: Lowell, Indiana

Permit No.: 45-08

Name of Person(s) Sampling: A. BROTZ Title: GEOLOGIST

Monitoring Well No.: MW-7 Upgradient: _____ Downgradient: X

Top of Procover: NA MSL Top of PVC: 673.55 MSL Ground Surface: NA MSL

Ground Water Depth (from top of PVC): 4.81 ft. 668.74 MSL Measured Well Depth (fr. top pvc) 35.87 ft. 632.68 MSL

Water Volume in Casing: 5 gal. Time Purge Started: 1100 Installed Well Depth 36.0 ft. 631.50 MSL

2" well contains 0.163 gallons/foot Time Purge Ended 1114 Differential 0.13 ft. _____ MSL
4" well contains 0.652 gallons/foot Corrective Action Required Yes _____ No X
(Differential +/- 2 feet)

Well Diameter: 2 Total Volume Purged: 5 gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No

Bailey/Pump: PVC Dedicated? Yes No Disposable? Yes No

Field Meters (pH, Eh, SC): pH, SC, T° Dedicated? Yes No Disposable? Yes No

Field Equipment: WATER LEVEL Dedicated? Yes No Disposable? Yes No

Method of Decontamination: PERISTOLIC PUMP LIQUINOX BATH

Sample Condition: Color: TURBID-YELLOW Odor: NONE

Sample Time: 0840 12/29/00

Field Measurements:	#1	#2	#3	mean	#4	new mean	#5	#6	std. units
pH	<u>7.24</u>	<u>7.25</u>	<u>7.23</u>	<u>7.24</u>	<u>7.22</u>	<u>DRY</u>	<u>*</u>	<u>*</u>	
Specific Conductivity	<u>1432</u>	<u>1480</u>	<u>1486</u>	<u>1466</u>	<u>1567</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	umhos/cm
Temperature	<u>8.0</u>	<u>10.5</u>	<u>11.5</u>	<u>10</u>	<u>10.2</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	°C

Well Recharge: Very Poor Poor Fair Moderate Good Very Good

Weather Conditions: Temperature: 15 Skies: Clear Partly Cloudy Cloudy

Precipitation: NONE Light Moderate Heavy
Wind Speed/Direction: 5-10 N NE E SE S SW W NW

Notes/Observations: En

* PURGED DRY 12/28/00

SAMPLE OBTAINED 12/29/00

Sampler(s) Signature: Amanda Brotz

WEAVER BOOS & GORDON, INC.

200 South Michigan Ave., Suite 900

Chicago, IL 60604

Groundwater Sampling Field Form

Date: 12/28/00

Site: **Feddeler Construction/Demolition Site**
File: 0072-01-14

Location: Lowell, Indiana

Permit No.: 45-08

Name of Person(s) Sampling: A. BROTZ Title: GEOLOGIST

Monitoring Well No.: MW-8 Upgradient: X Downgradient: _____

Top of Procover: NA MSL Top of PVC: 703.44 MSL Ground Surface: NA MSL

Ground Water Depth (from top of PVC): 23.53 ft. 679.91 MSL Measured Well Depth (fr. top pvc) 66.8 ft. 636.64 MSL

Water Volume in Casing: 1.0 gal. Time Purge Started: 0933 Installed Well Depth 67.0 ft. 636.49 MSL

2" well contains 0.163 gallons/foot

Time Purge Ended 1001

Differential 0.2 ft. MSL
Corrective Action Required Yes _____ No X
(Differential +/- 2 feet)

4" well contains 0.652 gallons/foot

Well Diameter: 2 Total Volume Purged: 22 gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No

Bailer/Pump: PVC Dedicated? Yes No Disposable? Yes No

Field Meters (pH, Eh, SC): pH, SC, T° Dedicated? Yes No Disposable? Yes No

Field Equipment: WATER LEVEL Dedicated? Yes No Disposable? Yes No

Method of Decontamination: PERISTOLIC PUMP LIQUINOX BATH

Sample Condition: Color: TURBID Odor: NONE

Sample Time: 1002

Field Measurements:	#1	#2	#3	mean	#4	new mean	#5	#6	std. units
pH	<u>6.723</u>	<u>7.24</u>	<u>7.25</u>	<u>7.24</u>	<u>7.25</u>	_____	_____	_____	_____
Specific Conductivity	<u>625</u>	<u>632</u>	<u>630</u>	<u>629</u>	<u>630</u>	_____	_____	_____	umhos/cm
Temperature	<u>11.1</u>	<u>12.0</u>	<u>11.6</u>	<u>11.6</u>	<u>11.4</u>	_____	_____	_____	°C

Well Recharge: Very Poor Poor Fair Moderate Good Very Good

Weather Conditions: Temperature: 10 Skies: Clear Partly Cloudy Cloudy

Precipitation: NONE Light Moderate Heavy

Wind Speed/Direction: calm N NE E SE S SW W NW

Notes/Observations: _____

* LOCK CUT - NO KEY ON SITE

Sampler(s) Signature: Amanda Brotz

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200 South Michigan Ave., Suite 900

Chicago, IL 60604

Groundwater Sampling Field Form

Date: 12/28/00

Site: **Feddeler Construction/Demolition Site**
File: 0072-01-14

Location: Lowell, Indiana

Permit No.: 45-08

Name of Person(s) Sampling: A. Brotz Title: STAFF Geologist

Monitoring Well No.: MW-9 Upgradient: _____ Downgradient: X

Top of Procover: NA MSL Top of PVC: 674.59 MSL Ground Surface: NA MSL

Ground Water Depth (from top of PVC): 6.30 ft 668.29 MSL Measured Well Depth (fr. top pvc) 55.7 ft 668.89 MSL

Water Volume in Casing: 8.0 gal. Time Purge Started: 1035 Installed Well Depth 56 ft 668.59 MSL
2" well contains 0.163 gallons/foot Time Purge Ended: 1100 Differential 0.3 ft. MSL
4" well contains 0.652 gallons/foot Corrective Action Required Yes _____ No X
(Differential +/- 2 feet)

Well Diameter: 2 Total Volume Purged: 80 gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No

Bailer/Pump: PVC Dedicated? Yes No Disposable? Yes No

Field Meters (pH, Eh, SC): pH, SC, T° Dedicated? Yes No Disposable? Yes No

Field Equipment: WATER LEVEL Dedicated? Yes No Disposable? Yes No

Method of Decontamination: PERISTALTIC PUMP LIQUINOX BATH

Sample Condition: Color: SLIGHT TURBIDITY Odor: NONE

Sample Time: 0830 12/29/00

Field Measurements:	#1	#2	#3	mean	#4	new mean	#5	#6	std. units
pH	7.21	7.29	7.29	7.28	7.28	7.29	7.29	DRY	umhos/cm
Specific Conductivity	643	634	635	637	639	636	629	↓	°C
Temperature	6.3	6.6	6.9	6.9	6.0	6.2	6.9	↓	

Well Recharge: Very Poor Poor Fair Moderate Good Very Good

Weather Conditions: Temperature: 15 Skies: Clear Partly Cloudy Cloudy

Precipitation: NONE Light Moderate Heavy
Wind Speed/Direction: CALM N NE E SE S SW W NW

Notes/Observations: _____

PURGED DRY 12/28/00
* Hinge on Pro-Cover broken

Sampler(s) Signature: Amanda Brotz

WEAVER BOOS & GORDON, INC.

200 South Michigan Ave., Suite 900

Chicago, IL 60604

Groundwater Sampling Field Form

Date: 12/29/00

Site: **Feddeler Construction/Demolition Site**
File: 0072-01-14

Location: Lowell, Indiana

Permit No.: 45-08

Name of Person(s) Sampling: A. Brotz Title: GEOLOGIST

Monitoring Well No.: MW-10 Upgradient: _____ Downgradient: X

Top of Procover: NA MSL Top of PVC: 673.93 MSL Ground Surface: NA MSL

Ground Water Depth (from top of PVC): NA ft. _____ MSL Measured Well Depth (fr. top pvc) _____ ft. _____ MSL

Water Volume in Casing: NA gal. Time Purge Started: NA Installed Well Depth 43.8 ft. 30.3 MSL

2" well contains 0.163 gallons/foot

Time Purge Ended NA

Differential _____ ft. _____ MSL

4" well contains 0.652 gallons/foot

Corrective Action Required Yes _____ No _____

(Differential +/- 2 feet)

Well Diameter: 2 Total Volume Purged: NA gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No

Bailer/Pump: PVC Dedicated? Yes No Disposable? Yes No

Field Meters (pH, Eh, SC): pH, SC, T° Dedicated? Yes No Disposable? Yes No

Field Equipment: WATER LEVEL Dedicated? Yes No Disposable? Yes No

Method of Decontamination: LIQUINOX BATH

Sample Condition: Color: NA Odor: NA

Sample Time: NA

Field Measurements:	#1	#2	#3	mean	#4	new mean	#5	#6	std. units
pH	<u>NA</u>	<u>*</u>	<u>*</u>	<u>*</u>	_____	_____	_____	_____	umhos/cm
Specific Conductivity	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	_____	_____	_____	_____	°C
Temperature	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	_____	_____	_____	_____	

Well Recharge: Very Poor Poor Fair Moderate Good Very Good

Weather Conditions: Temperature: 15 Skies: Clear Partly Cloudy Cloudy

Precipitation: _____ Light Moderate Heavy
Wind Speed/Direction: _____ N NE E SE S SW W NW

Notes/Observations: _____

* BAILER FROZEN IN WATER COLUMN
NO SAMPLE OBTAINED

Sampler(s) Signature: Amanda Brotz

WEAVER BOOS & GORDON, INC.

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Chicago, IL 60604

Groundwater Sampling Field Form

Date: 12/28/00

Site: **Feddeler Construction/Demolition Site**
File: 0072-01-14

Location: Lowell, Indiana

Permit No.: 45-08

Name of Person(s) Sampling: A. Brotz Title: GEOLOGIST

Monitoring Well No.: MW-11 Upgradient: _____ Downgradient: X

Top of Procover: NA MSL Top of PVC: 682.40 MSL Ground Surface: NA MSL

Ground Water Depth (from top of PVC): NA ft. NA MSL Measured Well Depth (fr. top pvc) NA ft. _____ MSL

Installed Well Depth 233 ft. 659.10 MSL

Water Volume in Casing: NA gal. Time Purge Started: NA Differential _____ ft. _____ MSL

2" well contains 0.163 gallons/foot

Time Purge Ended NA

Corrective Action Required Yes _____ No _____
(Differential +/- 2 feet)

4" well contains 0.652 gallons/foot

Well Diameter: 2 Total Volume Purged: NA gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No

Bailer/Pump: PVC Dedicated? Yes No Disposable? Yes No

Field Meters (pH, Eh, SC): pH, SC, T Dedicated? Yes No Disposable? Yes No

Field Equipment: WATER LEVEL Dedicated? Yes No Disposable? Yes No

Method of Decontamination: PARISTOLL PUMP LIQUINOX BATH

Sample Condition: _____ Color: NA Odor: _____

Sample Time: NA

Field Measurements:	#1	#2	#3	mean	#4	new mean	#5	#6	std. units
pH	<u>*</u>	<u>*</u>	<u>*</u>	<u>*</u>	_____	_____	_____	_____	umhos/cm
Specific Conductivity	<u>*</u>	<u>*</u>	<u>*</u>	<u>*</u>	_____	_____	_____	_____	°C
Temperature	<u>*</u>	<u>*</u>	<u>*</u>	<u>*</u>	_____	_____	_____	_____	

Well Recharge: Very Poor Poor Fair Moderate Good Very Good

Weather Conditions: Temperature: _____ Skies: Clear Partly Cloudy Cloudy

Precipitation: _____ Light Moderate Heavy
Wind Speed/Direction: _____ N NE E SE S SW W NW

Notes/Observations: _____

* WELL HIT
STICK UP BROKEN

Sampler(s) Signature: Amanda Brotz

WEAVER BOOS & GORDON, INC.

200 South Michigan Ave., Suite 900

Chicago, IL 60604

Groundwater Sampling Field Form

Date: 12/29/00

Site: **Feddeler Construction/Demolition Site**
File: 0072-01-14

Location: Lowell, Indiana Permit No.: 45-08

Name of Person(s) Sampling: A. Brotz Title: GEOLOGIST

Monitoring Well No.: MW-12 Upgradient: _____ Downgradient: _____

Top of Procover: 685.48 MSL Top of PVC: 685.45 MSL Ground Surface: 685.60 MSL

Ground Water Depth (from top of PVC): NA ft. NA MSL Measured Well Depth (fr. top pvc) _____ ft. _____ MSL

Water Volume in Casing: NA gal. Time Purge Started: NA Installed Well Depth 34.8 ft. 685.65 MSL

2" well contains 0.163 gallons/foot

Time Purge Ended NA

Differential _____ ft. _____ MSL
Corrective Action Required Yes _____ No _____
(Differential +/- 2 feet)

4" well contains 0.652 gallons/foot

Well Diameter: 2 Total Volume Purged: NA gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No

Bailer/Pump: PVC Dedicated? Yes No Disposable? Yes No

Field Meters (pH, Eh, SC): pH, SC, T° Dedicated? Yes No Disposable? Yes No

Field Equipment: WATER LEVEL Dedicated? Yes No Disposable? Yes No

Method of Decontamination: PERISTOLIC PUMP LIQUINOX BATTI

Sample Condition: _____ Color: NA Odor: NA

Sample Time: NA

Field Measurements:	#1	#2	#3	mean	#4	new mean	#5	#6	std. units
pH	<u>*</u>	<u>*</u>	<u>*</u>	<u>*</u>	_____	_____	_____	_____	umhos/cm
Specific Conductivity	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	_____	_____	_____	_____	°C
Temperature	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	_____	_____	_____	_____	

Well Recharge: Very Poor Poor Fair Moderate Good Very Good

Weather Conditions: Temperature: _____ Skies: Clear Partly Cloudy Cloudy

Precipitation: _____ Light Moderate Heavy
Wind Speed/Direction: _____ N NE E SE S SW W NW

Notes/Observations: + WELL NOT FOUND DUE
TO LARGE SNOW COVER

Sampler(s) Signature: Amanda Brotz

WEAVER BOOS & GORDON, INC.

200 South Michigan Ave., Suite 900

Chicago, IL 60604

Groundwater Sampling Field Form

Date: 12/29/00

Site: Feddeler Construction/Demolition Site
File: 0072-01-14

Location: Lowell, Indiana

Permit No.: 45-08

Name of Person(s) Sampling: A. Brotz Title: GEOLOGIST

Monitoring Well No.: MW-13 Upgradient: _____ Downgradient: X

Top of Procover: NA MSL Top of PVC: NA MSL Ground Surface: NA MSL

Ground Water Depth (from top of PVC): NA ft. NA MSL Measured Well Depth (fr. top pvc) _____ ft. _____ MSL

Installed Well Depth 20.3 ft. 661.08 MSL

Water Volume in Casing: NA gal. Time Purge Started: NA Time Purge Ended: NA Differential _____ ft. _____ MSL
2" well contains 0.163 gallons/foot
4" well contains 0.652 gallons/foot
Corrective Action Required Yes _____ No _____
(Differential +/- 2 feet)

Well Diameter: 2 Total Volume Purged: NA gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No

Bailer/Pump: PVC Dedicated? Yes No Disposable? Yes No

Field Meters (pH, Eh, SC): pH, SCT Dedicated? Yes No Disposable? Yes No

Field Equipment: WATER LEVEL Dedicated? Yes No Disposable? Yes No

Method of Decontamination: PARISTOLIC PUMP LIQUINOX BATH

Sample Condition: Color: NA Odor: NA

Sample Time: NA

Field Measurements:	#1	#2	#3	mean	#4	new mean	#5	#6	std. units
pH	*	*	*	*	—	—	—	—	umhos/cm
Specific Conductivity	↓	↓	↓	↓	—	—	—	—	°C
Temperature	↓	↓	↓	↓	—	—	—	—	

Well Recharge: Very Poor Poor Fair Moderate Good Very Good

Weather Conditions: Temperature: _____ Skies: Clear Partly Cloudy Cloudy

Precipitation: _____ Light Moderate Heavy
Wind Speed/Direction: _____ N NE E SE S SW W NW

Notes/Observations: * WELL NOT FOUND DUE TO
LARGE SNOW COVER

Sampler(s) Signature: Amanda Brotz

WEAVER BOOS & GORDON, INC.

200 South Michigan Ave., Suite 900

Chicago, IL 60604

Groundwater Sampling Field Form

Date: 3/5/01

Site: **Feddeler Construction/Demolition Site**

Location: **Lowell, Indiana**

Permit No.: **45-08**

File: **0072-01-14**

Name of Person(s) Sampling: Rich Backer / Jason Stainham Title: Field Tech / Staff Scientist

Monitoring Well No.: MW-12 Upgradient: _____ Downgradient: X

Top of Procover: NA MSL Top of PVC: 665.45 MSL Ground Surface: NA MSL

Ground Water Depth (from top of PVC): 53.5 ft. 661.9 MSL Measured Well Depth (fr. top pvc) 34.87 ft. 650.54 MSL

Installed Well Depth 34.3 ft. 650.6 MSL

Water Volume in Casing: 3.2 gal.

Time Purge Started: 1920

Differential 0.09 ft. 0.09 MSL

2" well contains 0.163 gallons/foot

Time Purge Ended 0340

Corrective Action Required Yes _____ No X
(Differential +/- 2 feet)

4" well contains 0.652 gallons/foot

Well Diameter: 2 Total Volume Purged: 10 gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No

Bailer/Pump: Bailer - PVC Dedicated? Yes No Disposable? Yes No

Field Meters (pH, Eh, SC): pH, SC, T° Dedicated? Yes No Disposable? Yes No

Field Equipment: water leveling Dedicated? Yes No Disposable? Yes No
peristaltic pump

Method of Decontamination: liquinox bath

Sample Condition: Color: slightly cloudy Odor: none

Sample Time: 0355

Field Measurements:	#1	#2	#3	mean	#4	new mean	#5	#6	std. units
pH	7.27	7.21	7.81	7.48	8.10	7.76	8.20		umhos/cm
Specific Conductivity	2570	760	78	1369	735	764	737		°C
Temperature	6.0	6.3	9.2	7.16	8.8	8.1	9.5		

Well Recharge: Very Poor Poor Fair Moderate Good Very Good

Weather Conditions: Temperature: 20° Skies: Clear Partly Cloudy Cloudy

Precipitation: NA Light Moderate Heavy

Wind Speed/Direction: 10-15 N NE E SE S SW W NW

Notes/Observations: _____

Sampler(s) Signature: [Signature]

WEAVER BOOS & GORDON, INC.

200 South Michigan Ave., Suite 900

Chicago, IL 60604

Groundwater Sampling Field Form

Date: 3/5/01

Site: **Feddeler Construction/Demolition Site**
File: 0072-01-14

Location: Lowell, Indiana

Permit No.: 45-08

Name of Person(s) Sampling: Rich Becker / Jason Steinhilber Title: Field Tech / Staff Scientist

Monitoring Well No.: MW-13 Upgradient: _____ Downgradient: X

Top of Procover: NA MSL Top of PVC: 681.38 MSL Ground Surface: NA MSL

Ground Water Depth (from top of PVC): 10.24 ft. 671.14 MSL Measured Well Depth (fr. top pvc): 20.71 ft. 660.27 MSL

Water Volume in Casing: 1.7 gal. Time Purge Started: 0800 Installed Well Depth: 20.3 ft. 661.08 MSL

2" well contains 0.163 gallons/foot

Time Purge Ended: 0857

Corrective Action Required Yes _____ No X

4" well contains 0.652 gallons/foot

(495)

(Differential +/- 2 feet)

Well Diameter: 2 Total Volume Purged: 2 gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No

Bailer/Pump: PVC Dedicated? Yes No Disposable? Yes No

Field Meters (pH, Eh, SC): pH, SC TO Dedicated? Yes No Disposable? Yes No

Field Equipment: water level ind. peristaltic pump Dedicated? Yes No Disposable? Yes No

Method of Decontamination: liquinox bath

Sample Condition: Color: slightly cloudy Odor: none

Sample Time: 0935

Field Measurements:	#1	#2	#3	mean	#4	new mean	#5	#6	std. units
pH	<u>7.56</u>	<u>7.41</u>	_____	_____	_____	_____	_____	_____	umhos/cm
Specific Conductivity	_____	_____	_____	_____	_____	_____	_____	_____	°C
Temperature	<u>63</u>	<u>7.4</u>	_____	_____	_____	_____	_____	_____	

Well Recharge: Very Poor Poor Fair Moderate Good Very Good

Weather Conditions: Temperature: 25 Skies: Clear Partly Cloudy Cloudy

Precipitation: _____ Light Moderate Heavy

Wind Speed/Direction: 10.5 N NE E SE S SW W NW

Notes/Observations: well purged dry

Sampler(s) Signature: [Signature]

WEAVER BOOS & GORDON, INC.

200 South Michigan Ave., Suite 900

Chicago, IL 60604

Groundwater Sampling Field Form

Date: 3/5/01

Site: Feddeler Construction/Demolition Site
File: 0072-01-14

Location: Lowell, Indiana

Permit No.: 45-08

Name of Person(s) Sampling: J. Steinhauer / R. Barker Title: Staff Scientist / Senior Technician

Monitoring Well No.: MW-10 Upgradient: _____ Downgradient: X

Top of Procover: NA MSL Top of PVC: 673.93 MSL Ground Surface: NA MSL

Ground Water Depth (from top of PVC): NA ft. _____ MSL Measured Well Depth (fr. top pvc) _____ ft. _____ MSL

Installed Well Depth 43.3 ft. 630.13 MSL

Water Volume in Casing: NA gal. Time Purge Started: NA Differential _____ ft. _____ MSL

2" well contains 0.163 gallons/foot

Time Purge Ended NA

Corrective Action Required Yes _____ No _____

4" well contains 0.652 gallons/foot

(Differential +/- 2 feet)

Well Diameter: _____

Total Volume Purged: NA gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes _____ No _____

Bailer/Pump: PVC Dedicated? Yes No _____ Disposable? Yes _____ No Yes

Field Meters (pH, Eh, SC): pH, SC, T° Dedicated? Yes No Disposable? Yes No

Field Equipment: Water level Dedicated? Yes No Disposable? Yes No

Method of Decontamination: Liquinox Bath

Sample Condition: Color: NA Odor: NA

Field Measurements:	#1	#2	#3	mean	#4	new mean	#5	#6	std. units
pH	<u>*</u>	_____	_____	_____	_____	_____	_____	_____	umhos/cm
Specific Conductivity	_____	_____	_____	_____	_____	_____	_____	_____	°C
Temperature	_____	_____	_____	_____	_____	_____	_____	_____	
Time	<u>↓</u>	_____	_____	_____	_____	_____	_____	_____	

Well Recharge: Very Poor _____ Poor _____ Fair _____ Moderate _____ Good _____ Very Good _____

Weather Conditions: Temperature: 30.5 Skies: Clear _____ Partly Cloudy _____ Cloudy _____

Precipitation: None Light _____ Moderate _____ Heavy _____

Wind Speed/Direction: 5-10 N NE E SE S SW W NW

Notes/Observations: * Unable to retrieve a water level or collect a groundwater sample, due to the dedicated bailer, stuck in the PVC casing. Several attempts were made to free the bailer from the casing, but Weaver Boos field personnel
Sampler(s) Signature: James Steinhauer

S I M A L A B S

I N T E R N A T I O N A L

January 16, 2001

Mike Maxwell
Weaver Boos & Gordon, Inc.
200 South Michigan, Suite 900
Chicago, IL 60604

RE: 0072-01-14 / Feddeler C & D Facility

Work Order: ME0012317

Dear Mike Maxwell,

Enclosed are the results for the 10 Samples we received on Friday, December 29, 2000 for the analyses presented in the following report.

All data included has been reviewed for and meets all project specific and Quality Control requirements, unless otherwise noted.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,
SIMALABS International



Carla E. Svecich
Project Manager

Enclosures

S I M A L A B S

I N T E R N A T I O N A L

CASE NARRATIVE

Date: *Tuesday, January 16, 2001*

Client: Weaver Boos & Gordon, Inc.
Project: 0072-01-14 / Feddeler C & D Facility
Lab Order: ME0012317

Phenol Batch 10111A: Elevated recoveries are noted for the LCS and batch MS/MSD. Batch Blank was with acceptance criteria. Bias indicated by the elevated recoveries are not considered sample related.

S I M A L A B S

I N T E R N A T I O N A L

SIMALABS International

Date: Tuesday, January 16, 2001

CLIENT: Weaver Boos & Gordon, Inc.
Project: 0072-01-14 / Feddeler C & D Facility
Lab Order: ME0012317
Date Received: 12/29/2000

Work Order/ Sample Delivery Group Summary

Lab Sample ID	Client Sample ID	Client Description	Collection Date
ME0012317-01A	MW-1	Groundwater	28-Dec-00
ME0012317-01B	MW-1	Groundwater	28-Dec-00
ME0012317-01C	MW-1	Groundwater	28-Dec-00
ME0012317-01D	MW-1	Groundwater	28-Dec-00
ME0012317-01E	MW-1	Groundwater	28-Dec-00
ME0012317-02A	MW-8	Groundwater	28-Dec-00
ME0012317-02B	MW-8	Groundwater	28-Dec-00
ME0012317-02C	MW-8	Groundwater	28-Dec-00
ME0012317-02D	MW-8	Groundwater	28-Dec-00
ME0012317-02E	MW-8	Groundwater	28-Dec-00
ME0012317-03A	MW-6	Groundwater	28-Dec-00
ME0012317-03B	MW-6	Groundwater	28-Dec-00
ME0012317-03C	MW-6	Groundwater	28-Dec-00
ME0012317-03D	MW-6	Groundwater	28-Dec-00
ME0012317-03E	MW-6	Groundwater	28-Dec-00
ME0012317-04A	FB	Field Blank	28-Dec-00
ME0012317-04B	FB	Field Blank	28-Dec-00
ME0012317-04C	FB	Field Blank	28-Dec-00
ME0012317-04D	FB	Field Blank	28-Dec-00
ME0012317-04E	FB	Field Blank	28-Dec-00
ME0012317-05A	EB	Equip. Blank	28-Dec-00
ME0012317-06A	MW-2	Groundwater	28-Dec-00
ME0012317-06B	MW-2	Groundwater	28-Dec-00
ME0012317-06C	MW-2	Groundwater	28-Dec-00
ME0012317-06D	MW-2	Groundwater	28-Dec-00
ME0012317-06E	MW-2	Groundwater	28-Dec-00
ME0012317-07A	MW-7	Groundwater	29-Dec-00
ME0012317-07B	MW-7	Groundwater	29-Dec-00
ME0012317-07C	MW-7	Groundwater	29-Dec-00
ME0012317-07D	MW-7	Groundwater	29-Dec-00
ME0012317-07E	MW-7	Groundwater	29-Dec-00
ME0012317-08A	MW-9	Groundwater	29-Dec-00
ME0012317-08B	MW-9	Groundwater	29-Dec-00
ME0012317-08C	MW-9	Groundwater	29-Dec-00

SIMALABS

INTERNATIONAL

CLIENT: Weaver Boos & Gordon, Inc.
Project: 0072-01-14 / Feddeler C & D Facility
Lab Order: ME0012317
Date Received: 12/29/2000

Work Order/ Sample Delivery Group Summary

Lab Sample ID	Client Sample ID	Client Description	Collection Date
ME0012317-08D	MW-9	Groundwater	29-Dec-00
ME0012317-08E	MW-9	Groundwater	29-Dec-00
ME0012317-09A	MW-14	Groundwater	29-Dec-00
ME0012317-09B	MW-14	Groundwater	29-Dec-00
ME0012317-09C	MW-14	Groundwater	29-Dec-00
ME0012317-09D	MW-14	Groundwater	29-Dec-00
ME0012317-09E	MW-14	Groundwater	29-Dec-00
ME0012317-10A	Trip Blank	Trip Blank	29-Dec-00

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-1

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-01A

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
AMMONIA		Method: E350.1		Prep Date: 1/5/2001		Analyst: DG	
Nitrogen, Ammonia (As N)	A	ND	0.1		mg/L	1	01/08/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I - Matrix Interference

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-1

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-01B

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
PHENOLICS		Method: SW9066		Prep Date: 1/8/2001		Analyst: DG	
Phenolics, Total Recoverable	A	ND	0.01		mg/L	1	01/11/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I - Matrix Interference

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-1

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-01C

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		Method: SW8260B		Prep Date:		Analyst: CLR	
Benzene	A	ND	5		µg/L	1	01/04/01
2-Butanone	A	ND	10		µg/L	1	01/04/01
1,1-Dichloroethane	A	ND	5		µg/L	1	01/04/01
cis-1,2-Dichloroethene	A	ND	5		µg/L	1	01/04/01
trans-1,2-Dichloroethene	A	ND	5		µg/L	1	01/04/01
Ethylbenzene	A	ND	5		µg/L	1	01/04/01
Methylene chloride	A	ND	5		µg/L	1	01/04/01
Toluene	A	ND	5		µg/L	1	01/04/01
Surr: Toluene-d8	S	93	88-110		% REC	1	01/04/01
Surr: 4-Bromofluorobenzene	S	97	86-115		% REC	1	01/04/01
Surr: Dibromofluoromethane	S	98	86-118		% REC	1	01/04/01
Surr: 1,2-Dichloroethane-d4	S	99	80-120		% REC	1	01/04/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
 B - Detected in the associated Method Blank
 * - Exceeds Maximum Contaminant Level

DF - Dilution Factor
 S - Spike recovery outside recovery limits
 SD - Value diluted out
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 I - Matrix Interference

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-1

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-01D

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA							
		Method: SW7060A		Prep Date: 1/5/2001		Analyst: JEK	
Arsenic	A	ND	0.01		mg/L	1	01/07/01
DISSOLVED METALS BY ICP							
		Method: SW6010B		Prep Date: 1/5/2001		Analyst: JEK	
Barium	A	0.095	0.01		mg/L	1	01/05/01
Sodium	A	9.1	2		mg/L	1	01/05/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
 Qual: ND - Not Detected at the Reporting Limit
 B - Detected in the associated Method Blank
 * - Exceeds Maximum Contaminant Level

DF - Dilution Factor
 S - Spike recovery outside recovery limits
 SD - Value diluted out
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 I - Matrix Interference

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-1

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-01E

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
CHLORIDE		Method: M4500-CL B	Prep Date:	Analyst: JG			
Chloride	A	23	1		mg/L	1	01/05/01
SULFATE		Method: E375.4	Prep Date:	Analyst: DG			
Sulfate	A	90	100		mg/L	10	01/04/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits I - Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-8

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-02A

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
AMMONIA							
Method: E350.1				Prep Date: 1/5/2001		Analyst: DG	
Nitrogen, Ammonia (As N)	A	0.38	0.1		mg/L	1	01/08/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits I - Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client:	Weaver Boos & Gordon, Inc.	Client Project:	0072-01-14 / Feddeler C & D
Client Sample ID:	MW-8	Work Order:	ME0012317
Sample Description:	Groundwater	SIMALABS ID:	ME0012317-02B
Sample Matrix:	Aqueous		
Collection Date:	12/28/00		
Date Received:	12/29/00		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
PHENOLICS Method: SW9066 Prep Date: 1/8/2001 Analyst: DG							
Phenolics, Total Recoverable	A	ND	0.01		mg/L	1	01/11/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
 B - Detected in the associated Method Blank
 * - Exceeds Maximum Contaminant Level

DF - Dilution Factor
 S - Spike recovery outside recovery limits
 SD - Value diluted out
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 I - Matrix Interference

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-8

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-02C

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		Method: SW8260B		Prep Date:		Analyst: CLR	
Benzene	A	ND	5		µg/L	1	01/04/01
2-Butanone	A	ND	10		µg/L	1	01/04/01
1,1-Dichloroethane	A	ND	5		µg/L	1	01/04/01
cis-1,2-Dichloroethene	A	ND	5		µg/L	1	01/04/01
trans-1,2-Dichloroethene	A	ND	5		µg/L	1	01/04/01
Ethylbenzene	A	ND	5		µg/L	1	01/04/01
Methylene chloride	A	ND	5		µg/L	1	01/04/01
Toluene	A	ND	5		µg/L	1	01/04/01
Surr: Toluene-d8	S	90	88-110		% REC	1	01/04/01
Surr: 4-Bromofluorobenzene	S	98	86-115		% REC	1	01/04/01
Surr: Dibromofluoromethane	S	96	86-118		% REC	1	01/04/01
Surr: 1,2-Dichloroethane-d4	S	100	80-120		% REC	1	01/04/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I - Matrix Interference

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-8

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-02D

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA		Method: SW7060A		Prep Date: 1/5/2001		Analyst: JEK	
Arsenic	A	ND	0.01		mg/L	1	01/08/01
DISSOLVED METALS BY ICP		Method: SW6010B		Prep Date: 1/5/2001		Analyst: JEK	
Barium	A	0.19	0.01		mg/L	1	01/05/01
Sodium	A	21	2		mg/L	1	01/05/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits I - Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client:	Weaver Boos & Gordon, Inc.	Client Project:	0072-01-14 / Feddeler C & D
Client Sample ID:	MW-8	Work Order:	ME0012317
Sample Description:	Groundwater	SIMALABS ID:	ME0012317-02E
Sample Matrix:	Aqueous		
Collection Date:	12/28/00		
Date Received:	12/29/00		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
CHLORIDE		Method: M4500-CL B	Prep Date:	Analyst: JG			
Chloride	A	1	1		mg/L	1	01/05/01
SULFATE		Method: E375.4	Prep Date:	Analyst: DG			
Sulfate	A	14	10		mg/L	1	01/04/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
 B - Detected in the associated Method Blank
 * - Exceeds Maximum Contaminant Level

DF - Dilution Factor
 S - Spike recovery outside recovery limits
 SD - Value diluted out
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 I - Matrix Interference

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client:	Weaver Boos & Gordon, Inc.	Client Project:	0072-01-14 / Feddeler C & D
Client Sample ID:	MW-6	Work Order:	ME0012317
Sample Description:	Groundwater	SIMALABS ID:	ME0012317-03A
Sample Matrix:	Aqueous		
Collection Date:	12/28/00		
Date Received:	12/29/00		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
AMMONIA		Method: E350.1		Prep Date: 1/5/2001		Analyst: DG	
Nitrogen, Ammonia (As N)	A	0.1	0.1		mg/L	1	01/08/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
 B - Detected in the associated Method Blank
 * - Exceeds Maximum Contaminant Level

DF - Dilution Factor
 S - Spike recovery outside recovery limits
 SD - Value diluted out
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 I - Matrix Interference

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-6

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-03B

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
PHENOLICS		Method: SW9066		Prep Date: 1/8/2001		Analyst: DG	
Phenolics, Total Recoverable	A	ND	0.01		mg/L	1	01/11/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
 Qual: ND - Not Detected at the Reporting Limit
 B - Detected in the associated Method Blank
 * - Exceeds Maximum Contaminant Level

DF - Dilution Factor
 S - Spike recovery outside recovery limits
 SD - Value diluted out
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 I - Matrix Interference

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-6

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-03C

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		Method: SW8260B		Prep Date:		Analyst: CLR	
Benzene	A	ND	5		µg/L	1	01/04/01
2-Butanone	A	ND	10		µg/L	1	01/04/01
1,1-Dichloroethane	A	ND	5		µg/L	1	01/04/01
cis-1,2-Dichloroethene	A	ND	5		µg/L	1	01/04/01
trans-1,2-Dichloroethene	A	ND	5		µg/L	1	01/04/01
Ethylbenzene	A	ND	5		µg/L	1	01/04/01
Methylene chloride	A	ND	5		µg/L	1	01/04/01
Toluene	A	ND	5		µg/L	1	01/04/01
Surr: Toluene-d8	S	91	88-110		% REC	1	01/04/01
Surr: 4-Bromofluorobenzene	S	97	86-115		% REC	1	01/04/01
Surr: Dibromofluoromethane	S	94	86-118		% REC	1	01/04/01
Surr: 1,2-Dichloroethane-d4	S	99	80-120		% REC	1	01/04/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
 Qual: ND - Not Detected at the Reporting Limit
 B - Detected in the associated Method Blank
 * - Exceeds Maximum Contaminant Level

DF - Dilution Factor
 S - Spike recovery outside recovery limits
 SD - Value diluted out
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 I - Matrix Interference

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-6

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-03D

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA		Method: SW7060A	Prep Date: 1/5/2001	Analyst: JEK			
Arsenic	A	ND	0.01		mg/L	1	01/07/01
DISSOLVED METALS BY ICP		Method: SW6010B	Prep Date: 1/5/2001	Analyst: JEK			
Barium	A	0.11	0.01		mg/L	1	01/05/01
Sodium	A	9.6	2		mg/L	1	01/05/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits I - Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-6

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-03E

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
CHLORIDE		Method: M4500-CL B	Prep Date:	Analyst: JG			
Chloride	A	13	1		mg/L	1	01/05/01
SULFATE		Method: E375.4	Prep Date:	Analyst: DG			
Sulfate	A	88	100		mg/L	10	01/04/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
 B - Detected in the associated Method Blank
 * - Exceeds Maximum Contaminant Level

DF - Dilution Factor
 S - Spike recovery outside recovery limits
 SD - Value diluted out
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 I - Matrix Interference

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: FB

Work Order: ME0012317

Sample Description: Field Blank

SIMALABS ID: ME0012317-04A

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
AMMONIA							
		Method: E350.1		Prep Date: 1/5/2001		Analyst: DG	
Nitrogen, Ammonia (As N)	A	ND	0.1		mg/L	1	01/08/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
 Qual: ND - Not Detected at the Reporting Limit
 B - Detected in the associated Method Blank
 * - Exceeds Maximum Contaminant Level

DF - Dilution Factor
 S - Spike recovery outside recovery limits
 SD - Value diluted out
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 I - Matrix Interference

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: FB

Work Order: ME0012317

Sample Description: Field Blank

SIMALABS ID: ME0012317-04B

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
PHENOLICS							
		Method: SW9066		Prep Date: 1/8/2001		Analyst: DG	
Phenolics, Total Recoverable	A	ND	0.01		mg/L	1	01/11/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
 Qual: ND - Not Detected at the Reporting Limit
 B - Detected in the associated Method Blank
 * - Exceeds Maximum Contaminant Level

DF - Dilution Factor
 S - Spike recovery outside recovery limits I - Matrix Interference
 SD - Value diluted out
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: FB

Work Order: ME0012317

Sample Description: Field Blank

SIMALABS ID: ME0012317-04C

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		Method: SW8260B		Prep Date:		Analyst: CLR	
Benzene	A	ND	5		µg/L	1	01/04/01
2-Butanone	A	ND	10		µg/L	1	01/04/01
1,1-Dichloroethane	A	ND	5		µg/L	1	01/04/01
cis-1,2-Dichloroethene	A	ND	5		µg/L	1	01/04/01
trans-1,2-Dichloroethene	A	ND	5		µg/L	1	01/04/01
Ethylbenzene	A	ND	5		µg/L	1	01/04/01
Methylene chloride	A	ND	5		µg/L	1	01/04/01
Toluene	A	ND	5		µg/L	1	01/04/01
Surr: Toluene-d8	S	98	88-110		% REC	1	01/04/01
Surr: 4-Bromofluorobenzene	S	98	86-115		% REC	1	01/04/01
Surr: Dibromofluoromethane	S	96	86-118		% REC	1	01/04/01
Surr: 1,2-Dichloroethane-d4	S	99	80-120		% REC	1	01/04/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
 B - Detected in the associated Method Blank
 * - Exceeds Maximum Contaminant Level

DF - Dilution Factor
 S - Spike recovery outside recovery limits
 SD - Value diluted out
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 I - Matrix Interference

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: FB

Work Order: ME0012317

Sample Description: Field Blank

SIMALABS ID: ME0012317-04D

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA		Method: SW7060A	Prep Date: 1/5/2001	Analyst: JEK			
Arsenic	A	ND	0.01		mg/L	1	01/07/01
DISSOLVED METALS BY ICP		Method: SW6010B	Prep Date: 1/5/2001	Analyst: JEK			
Barium	A	ND	0.01		mg/L	1	01/05/01
Sodium	A	ND	2		mg/L	1	01/05/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits I - Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: FB

Work Order: ME0012317

Sample Description: Field Blank

SIMALABS ID: ME0012317-04E

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
CHLORIDE		Method: M4500-CL B	Prep Date:	Analyst: JG			
Chloride	A	2	1		mg/L	1	01/05/01
SULFATE		Method: E375.4	Prep Date:	Analyst: DG			
Sulfate	A	ND	10		mg/L	1	01/04/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
 Qual: ND - Not Detected at the Reporting Limit
 B - Detected in the associated Method Blank
 * - Exceeds Maximum Contaminant Level

DF - Dilution Factor
 S - Spike recovery outside recovery limits
 SD - Value diluted out
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 I - Matrix Interference

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: EB

Work Order: ME0012317

Sample Description: Equip. Blank

SIMALABS ID: ME0012317-05A

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA		Method: SW7060A	Prep Date: 1/5/2001	Analyst: JEK			
Arsenic	A	ND	0.01		mg/L	1	01/07/01
DISSOLVED METALS BY ICP		Method: SW6010B	Prep Date: 1/5/2001	Analyst: JEK			
Barium	A	ND	0.01		mg/L	1	01/05/01
Sodium	A	ND	2		mg/L	1	01/05/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
 Qual: ND - Not Detected at the Reporting Limit
 B - Detected in the associated Method Blank
 * - Exceeds Maximum Contaminant Level

DF - Dilution Factor
 S - Spike recovery outside recovery limits I - Matrix Interference
 SD - Value diluted out
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-2

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-06A

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
AMMONIA							
Method: E350.1				Prep Date: 1/5/2001		Analyst: DG	
Nitrogen, Ammonia (As N)	A	0.99	0.1		mg/L	1	01/08/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits I - Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client:	Weaver Boos & Gordon, Inc.	Client Project:	0072-01-14 / Feddeler C & D
Client Sample ID:	MW-2	Work Order:	ME0012317
Sample Description:	Groundwater	SIMALABS ID:	ME0012317-06B
Sample Matrix:	Aqueous		
Collection Date:	12/28/00		
Date Received:	12/29/00		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
PHENOLICS Method: SW9066 Prep Date: 1/8/2001 Analyst: DG							
Phenolics, Total Recoverable	A	ND	0.01		mg/L	1	01/11/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I - Matrix Interference

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-2

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-06C

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		Method: SW8260B		Prep Date:		Analyst: CLR	
Benzene	A	ND	5		µg/L	1	01/04/01
2-Butanone	A	ND	10		µg/L	1	01/04/01
1,1-Dichloroethane	A	ND	5		µg/L	1	01/04/01
cis-1,2-Dichloroethene	A	ND	5		µg/L	1	01/04/01
trans-1,2-Dichloroethene	A	ND	5		µg/L	1	01/04/01
Ethylbenzene	A	ND	5		µg/L	1	01/04/01
Methylene chloride	A	ND	5		µg/L	1	01/04/01
Toluene	A	ND	5		µg/L	1	01/04/01
Surr: Toluene-d8	S	96	88-110		% REC	1	01/04/01
Surr: 4-Bromofluorobenzene	S	98	86-115		% REC	1	01/04/01
Surr: Dibromofluoromethane	S	96	86-118		% REC	1	01/04/01
Surr: 1,2-Dichloroethane-d4	S	103	80-120		% REC	1	01/04/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
 B - Detected in the associated Method Blank
 * - Exceeds Maximum Contaminant Level

DF - Dilution Factor
 S - Spike recovery outside recovery limits
 SD - Value diluted out
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 I - Matrix Interference

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-2

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-06D

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA		Method: SW7060A		Prep Date: 1/5/2001		Analyst: JEK	
Arsenic	A	ND	0.01		mg/L	1	01/07/01
DISSOLVED METALS BY ICP		Method: SW6010B		Prep Date: 1/5/2001		Analyst: JEK	
Barium	A	0.43	0.01		mg/L	1	01/05/01
Sodium	A	190	4		mg/L	2	01/06/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
 Qual: ND - Not Detected at the Reporting Limit
 B - Detected in the associated Method Blank
 * - Exceeds Maximum Contaminant Level

DF - Dilution Factor
 S - Spike recovery outside recovery limits
 SD - Value diluted out
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 I - Matrix Interference

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-2

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-06E

Sample Matrix: Aqueous

Collection Date: 12/28/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
CHLORIDE		Method: M4500-CL B		Prep Date:		Analyst: JG	
Chloride	A	460	1		mg/L	1	01/05/01
SULFATE		Method: E375.4		Prep Date:		Analyst: DG	
Sulfate	A	150	100		mg/L	10	01/04/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits I - Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-7

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-07A

Sample Matrix: Aqueous

Collection Date: 12/29/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
AMMONIA							
		Method: E350.1		Prep Date: 1/5/2001		Analyst: DG	
Nitrogen, Ammonia (As N)	A	11	0.1		mg/L	1	01/08/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits I - Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client:	Weaver Boos & Gordon, Inc.	Client Project:	0072-01-14 / Feddeler C & D
Client Sample ID:	MW-7	Work Order:	ME0012317
Sample Description:	Groundwater	SIMALABS ID:	ME0012317-07B
Sample Matrix:	Aqueous		
Collection Date:	12/29/00		
Date Received:	12/29/00		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
PHENOLICS							
Method: SW9066				Prep Date: 1/8/2001		Analyst: DG	
Phenolics, Total Recoverable	A	ND	0.01		mg/L	1	01/11/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
 B - Detected in the associated Method Blank
 * - Exceeds Maximum Contaminant Level

DF - Dilution Factor
 S - Spike recovery outside recovery limits
 SD - Value diluted out
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 I - Matrix Interference

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-7

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-07C

Sample Matrix: Aqueous

Collection Date: 12/29/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		Method: SW8260B		Prep Date:		Analyst: CLR	
Benzene	A	ND	5		µg/L	1	01/04/01
2-Butanone	A	ND	10		µg/L	1	01/04/01
1,1-Dichloroethane	A	ND	5		µg/L	1	01/04/01
cis-1,2-Dichloroethene	A	ND	5		µg/L	1	01/04/01
trans-1,2-Dichloroethene	A	ND	5		µg/L	1	01/04/01
Ethylbenzene	A	ND	5		µg/L	1	01/04/01
Methylene chloride	A	ND	5		µg/L	1	01/04/01
Toluene	A	ND	5		µg/L	1	01/04/01
Surr: Toluene-d8	S	95	88-110		% REC	1	01/04/01
Surr: 4-Bromofluorobenzene	S	96	86-115		% REC	1	01/04/01
Surr: Dibromofluoromethane	S	92	86-118		% REC	1	01/04/01
Surr: 1,2-Dichloroethane-d4	S	98	80-120		% REC	1	01/04/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits I - Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-7

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-07D

Sample Matrix: Aqueous

Collection Date: 12/29/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA		Method: SW7060A	Prep Date: 1/5/2001	Analyst: JEK			
Arsenic	A	ND	0.01		mg/L	1	01/07/01
DISSOLVED METALS BY ICP		Method: SW6010B	Prep Date: 1/5/2001	Analyst: JEK			
Barium	A	0.32	0.01		mg/L	1	01/05/01
Sodium	A	92	2		mg/L	1	01/05/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits I - Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-7

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-07E

Sample Matrix: Aqueous

Collection Date: 12/29/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
CHLORIDE		Method: M4500-CL B		Prep Date:		Analyst: JG	
Chloride	A	940	1		mg/L	1	01/05/01
SULFATE		Method: E375.4		Prep Date:		Analyst: DG	
Sulfate	A	50	30		mg/L	10	01/04/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits I - Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-9

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-08A

Sample Matrix: Aqueous

Collection Date: 12/29/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
AMMONIA							
		Method: E350.1		Prep Date: 1/5/2001		Analyst: DG	
Nitrogen, Ammonia (As N)	A	1.7	0.1		mg/L	1	01/08/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits I - Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-9

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-08B

Sample Matrix: Aqueous

Collection Date: 12/29/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
PHENOLICS							
Method: SW9066				Prep Date: 1/8/2001		Analyst: DG	
Phenolics, Total Recoverable	A	0.013	0.01		mg/L	1	01/11/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits I - Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-9

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-08C

Sample Matrix: Aqueous

Collection Date: 12/29/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		Method: SW8260B		Prep Date:		Analyst: CLR	
Benzene	A	ND	5		µg/L	1	01/04/01
2-Butanone	A	ND	10		µg/L	1	01/04/01
1,1-Dichloroethane	A	ND	5		µg/L	1	01/04/01
cis-1,2-Dichloroethene	A	ND	5		µg/L	1	01/04/01
trans-1,2-Dichloroethene	A	ND	5		µg/L	1	01/04/01
Ethylbenzene	A	ND	5		µg/L	1	01/04/01
Methylene chloride	A	ND	5		µg/L	1	01/04/01
Toluene	A	ND	5		µg/L	1	01/04/01
Surr: Toluene-d8	S	95	88-110		% REC	1	01/04/01
Surr: 4-Bromofluorobenzene	S	99	86-115		% REC	1	01/04/01
Surr: Dibromofluoromethane	S	94	86-118		% REC	1	01/04/01
Surr: 1,2-Dichloroethane-d4	S	101	80-120		% REC	1	01/04/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I - Matrix Interference

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-9

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-08D

Sample Matrix: Aqueous

Collection Date: 12/29/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA							
		Method: SW7060A		Prep Date: 1/5/2001		Analyst: JEK	
Arsenic	A	ND	0.01		mg/L	1	01/07/01
DISSOLVED METALS BY ICP							
		Method: SW6010B		Prep Date: 1/5/2001		Analyst: JEK	
Barium	A	0.15	0.01		mg/L	1	01/05/01
Sodium	A	31	2		mg/L	1	01/05/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
 Qual: ND - Not Detected at the Reporting Limit
 B - Detected in the associated Method Blank
 * - Exceeds Maximum Contaminant Level

DF - Dilution Factor
 S - Spike recovery outside recovery limits
 SD - Value diluted out
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 I - Matrix Interference

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-9

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-08E

Sample Matrix: Aqueous

Collection Date: 12/29/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
CHLORIDE		Method: M4500-CL B	Prep Date:	Analyst: JG			
Chloride	A	40	1		mg/L	1	01/05/01
SULFATE		Method: E375.4	Prep Date:	Analyst: DG			
Sulfate	A	34	100		mg/L	10	01/04/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits I - Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-14

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-09A

Sample Matrix: Aqueous

Collection Date: 12/29/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
AMMONIA		Method: E350.1		Prep Date: 1/5/2001		Analyst: DG	
Nitrogen, Ammonia (As N)	A	1.1	0.1		mg/L	1	01/08/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits I -Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-14

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-09B

Sample Matrix: Aqueous

Collection Date: 12/29/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
PHENOLICS							
Method: SW9066				Prep Date: 1/8/2001		Analyst: DG	
Phenolics, Total Recoverable	A	0.017	0.01		mg/L	1	01/11/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits I - Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-14

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-09C

Sample Matrix: Aqueous

Collection Date: 12/29/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		Method: SW8260B		Prep Date:		Analyst: CLR	
Benzene	A	ND	5		µg/L	1	01/04/01
2-Butanone	A	ND	10		µg/L	1	01/04/01
1,1-Dichloroethane	A	ND	5		µg/L	1	01/04/01
cis-1,2-Dichloroethene	A	ND	5		µg/L	1	01/04/01
trans-1,2-Dichloroethene	A	ND	5		µg/L	1	01/04/01
Ethylbenzene	A	ND	5		µg/L	1	01/04/01
Methylene chloride	A	ND	5		µg/L	1	01/04/01
Toluene	A	ND	5		µg/L	1	01/04/01
Surr: Toluene-d8	S	96	88-110		% REC	1	01/04/01
Surr: 4-Bromofluorobenzene	S	98	86-115		% REC	1	01/04/01
Surr: Dibromofluoromethane	S	96	86-118		% REC	1	01/04/01
Surr: 1,2-Dichloroethane-d4	S	102	80-120		% REC	1	01/04/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits I - Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-14

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-09D

Sample Matrix: Aqueous

Collection Date: 12/29/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA							
		Method: SW7060A		Prep Date: 1/5/2001		Analyst: JEK	
Arsenic	A	ND	0.01		mg/L	1	01/07/01
DISSOLVED METALS BY ICP							
		Method: SW6010B		Prep Date: 1/5/2001		Analyst: JEK	
Barium	A	0.43	0.01		mg/L	1	01/05/01
Sodium	A	190	4		mg/L	2	01/06/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
 Qual: ND - Not Detected at the Reporting Limit
 B - Detected in the associated Method Blank
 * - Exceeds Maximum Contaminant Level

DF - Dilution Factor
 S - Spike recovery outside recovery limits I - Matrix Interference
 SD - Value diluted out
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: MW-14

Work Order: ME0012317

Sample Description: Groundwater

SIMALABS ID: ME0012317-09E

Sample Matrix: Aqueous

Collection Date: 12/29/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
CHLORIDE		Method: M4500-CL B		Prep Date:		Analyst: JG	
Chloride	A	480	1		mg/L	1	01/05/01
SULFATE		Method: E375.4		Prep Date:		Analyst: DG	
Sulfate	A	150	100		mg/L	10	01/04/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor
S - Spike recovery outside recovery limits I - Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Tuesday, January 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-01-14 / Feddeler C & D

Client Sample ID: Trip Blank

Work Order: ME0012317

Sample Description: Trip Blank

SIMALABS ID: ME0012317-10A

Sample Matrix: Aqueous

Collection Date: 12/29/00

Date Received: 12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		Method: SW8260B		Prep Date:		Analyst: CLR	
Benzene	A	ND	5		µg/L	1	01/08/01
2-Butanone	A	ND	10		µg/L	1	01/08/01
1,1-Dichloroethane	A	ND	5		µg/L	1	01/08/01
cis-1,2-Dichloroethene	A	ND	5		µg/L	1	01/08/01
trans-1,2-Dichloroethene	A	ND	5		µg/L	1	01/08/01
Ethylbenzene	A	ND	5		µg/L	1	01/08/01
Methylene chloride	A	ND	5		µg/L	1	01/08/01
Toluene	A	ND	5		µg/L	1	01/08/01
Surr: Toluene-d8	S	95	88-110		% REC	1	01/08/01
Surr: 4-Bromofluorobenzene	S	97	86-115		% REC	1	01/08/01
Surr: Dibromofluoromethane	S	100	86-118		% REC	1	01/08/01
Surr: 1,2-Dichloroethane-d4	S	99	80-120		% REC	1	01/08/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
 Qual: ND - Not Detected at the Reporting Limit
 B - Detected in the associated Method Blank
 * - Exceeds Maximum Contaminant Level

DF - Dilution Factor
 S - Spike recovery outside recovery limits
 SD - Value diluted out
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 I - Matrix Interference

SIMALABS International

250 W. 84th Drive
Merrillville, IN 46410
(219) 769-8378

COOLER INSPECTION

Friday, December 29, 2000

Client Name: **WEAVER BOOS**

Work Order Number **ME0012317**

Checklist completed by: *[Signature]* 12/29/00
Signature Date

Date / Time Received: 12/29/00

Received by: MDC
Reviewed by: *[Signature]* 12-29-00
Initials Date

Carrier name: Client Delivered

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples received on ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature	Temp: 5 °C		
VOA vials have zero headspace?	No VOA vials submitted <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	No Water submitted <input type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

Adjusted? _____ Checked by *[Signature]*

ANY NO AND/OR NA (NOT APPLICABLE) RESPONSE MUST BE DETAILED IN THE COMMENT SECTION BELOW.

General Comments: MW-14 not listed on COC.

Sample ID	Client Sample ID	Comments
ME0012317-01A	MW-1	
ME0012317-01B	MW-1	
ME0012317-01C	MW-1	
ME0012317-01D	MW-1	
ME0012317-01E	MW-1	
ME0012317-02A	MW-8	
ME0012317-02B	MW-8	
ME0012317-02C	MW-8	
ME0012317-02D	MW-8	
ME0012317-02E	MW-8	
ME0012317-03A	MW-6	
ME0012317-03B	MW-6	
ME0012317-03C	MW-6	
ME0012317-03D	MW-6	
ME0012317-03E	MW-6	
ME0012317-04A	FB	
ME0012317-04B	FB	
ME0012317-04C	FB	
ME0012317-04D	FB	

Sample ID	Client Sample ID	Comments
ME0012317-04E	FB	
ME0012317-05A	EB	
ME0012317-06A	MW-2	
ME0012317-06B	MW-2	
ME0012317-06C	MW-2	
ME0012317-06D	MW-2	
ME0012317-06E	MW-2	
ME0012317-07A	MW-7	
ME0012317-07B	MW-7	
ME0012317-07C	MW-7	
ME0012317-07D	MW-7	
ME0012317-07E	MW-7	
ME0012317-08A	MW-9	
ME0012317-08B	MW-9	
ME0012317-08C	MW-9	
ME0012317-08D	MW-9	
ME0012317-08E	MW-9	
ME0012317-09A	MW-14	
ME0012317-09B	MW-14	
ME0012317-09C	MW-14	
ME0012317-09D	MW-14	
ME0012317-09E	MW-14	
ME0012317-10A	Trip Blank	Bubbles in both vials.

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

SIMALABS

INTERNATIONAL
250 West 84th. Drive
Merrillville, IN 46410
Tel: 219-769-8378 / 800-536-8379
Fax: 219-769-1664

CHAIN OF CUSTODY

Number 30484

Page 1 of 3

Client: <u>Weaver Boos & Gordon, INC</u>	Project Name: <u>Feddeler Landfill</u>	Project No: <u>0012-01-14</u>
Address: <u>200 S. Michigan Ave. Ste 900</u>	Location: <u>LOWELL, IN</u>	Purchase Order No: <u>0012-01-14</u>
<u>Chicago, IL 60604</u>	Turnaround Time (Circle One):	
Contact Person: <u>Mike Maxwell</u>	Rush: <u>24-Hours</u> <u>48-Hours</u> <u>72-Hours</u> <u>5 Days</u> <u>7-10 Days</u>	
Send results: Telephone (Fax) E-Mail / Telephone No: <u>(312) 922-1030</u>	Fax No: <u>(312) 922-0201</u>	E-Mail:
Bill to Address: <u>SAME AS ABOVE</u>		

Sample #	Date	Time	Sampler Signature	Sample Description	# of Containers	Matrix	ANALYSIS REQUESTED						Laboratory Identification		
							Filtered (Y/N)	Preserved	Ammonia	UDET CHEN	PHENOL	DIS METALS		VOCs	
MW-1	12/28/00	0921	<u>Amanda Brotz</u>	Groundwater	4	W	N	Y	X					0012317	-01 A-C
"	"	"	"	"	1	W	Y	Y			X				01 D
"	"	"	"	"	1	W	Y	Y	X						01 E
MW-8	12/28/00	1002	"	GROUNDWATER	4	W	N	Y	X		X				02 A-C
"	"	"	"	"	1	W	N	Y		X					02 D
"	"	"	"	"	1	W	N	Y			X				02 E
MW-6	12/28/00	1157	"	GROUNDWATER	4	W	N	Y	X		X				03 A-C
"	"	"	"	"	1	W	N	Y			X				03 D
"	"	"	"	"	1	W	N	Y				X			03 E
FB	12/28/00		"	FIELD BLANK	4	W	N	Y	X		X				04 A-C
COMMENTS: * ANALYZE FOR PARAMETERS (PHASE I) AS LISTED ON ATTACHED SHEET.							Relinquished By (signature): <u>Amanda Brotz</u>	Date / Time: <u>12/29/00 1015</u>	Received By (signature):	Date / Time:					
							Relinquished By (signature):	Date / Time:	Received By (signature):	Date / Time:					
							Relinquished By (signature):	Date / Time:	Received By (signature):	Date / Time:					

SIMALABS

INTERNATIONAL

250 West 84th. Drive
Merrillville, IN 46410
Tel: 219-769-8378 / 800-536-8379
Fax: 219-769-1664

CHAIN OF CUSTODY

Number 29585

Page 2 of 3

Client	WEAVER BOOS & GORDON, INC.			Project Name	FEDERER LANDFILL	Project No.	8072-01-14
Address	200 S. MICHIGAN AVE, STE. 900			Location:		Purchase Order No.	8072-01-14
	CHICAGO, IL			Turnaround Time (Circle One):			
Contact Person	MIKE MAXWELL			Rush:	(Please notify lab prior to delivery.)	5 Days	7-10 Days
Send results: Telephone (Circle one)	Fax (E-Mail)			24-Hours	48-Hours	72-Hours	
Bill to Address:	SAME AS ABOVE			Fax No:	(312) 922-6201	E-Mail:	

Sample #	Date	Time	Sample Description	# of Con-tainers	Matrix	ANALYSIS REQUESTED						Laboratory Identification			
						Filtered (Y/N)	Preserved	AMMONIA	WBT-CHLOR	PHENOL	DS MET		VOCs		
FB	12/29/00	0820	FIELD BLANK	1	W	Y	Y				X			6012317	-04-D
"	"	"	"	1	W	N	N		X						04 E
FB	12/29/00	0825	EQUIPMENT BLANK	1	W	Y	Y				X				05 A
MW-2	12/29/00	1402	GROUNDWATER	4	W	N	N	X			X				06 A-C
"	"	"	"	1	W	Y	Y				X				06 D
"	"	"	"	1	W	N	N		X						06 E
MW-7	12/29/00	0840	GROUNDWATER	4	W	N	N	X			X				07 A-C
"	"	"	"	1	W	Y	Y				X				07 D
"	"	"	"	1	W	N	N		X						07 E
MW-9	12/29/00	0830	GROUNDWATER	4	W	N	N	X			X				08 A-C
COMMENTS: *SEE PAGE ONE OF CHAIN-OF-CUSTODY						Relinquished By (signature): Amanda Brotz						Received By (signature):		Date / Time:	
						Relinquished By (signature):						Received By (signature):		Date / Time:	
						Relinquished By (signature):						Received By (signature):		Date / Time:	

Page 2 of 3

12/29/00 10:15

INTERNATIONAL

CHAIN OF CUSTODY
Number 30485

Page 3 of 3

Client: Weaver Boos & Gordon, INC		Project Name: FEDDELER LANDFILL		Project No. 0013-01-14									
Address: 200 S. Michigan Ave. Ste 900		Location: LOWELL, IN		Purchase Order No. 0013-01-14									
City: Chicago, IL 60625-60604		Turnaround Time (Circle One):											
Contact Person: Mike Maxwell		Rush: (Please notify lab prior to delivery.)											
Send results: Telephone / Fax / E-Mail /		24-Hours 48-Hours 72-Hours 5 Days 7-10 Days											
Bill to Address: SAME AS ABOVE		Telephone No: (312) 922-1030		E-Mail: (312) 922-0201									
Sampled by (PRINT): AMANDA BROTZ		Sampler Signature: Amanda Brotz		ANALYSIS REQUESTED									
Sample #	Date	Time	Sample Description	# of Containers	Matrix	Filtered (Y/N)	Preserved	Ammonia	Wet	PH	Metals	VOCs	Laboratory Identification
MW-9	12/29/00	0830	GROUNDWATER	1	W	Y	Y				X		0012317 -081
"	"	"	"	1	W	Y	Y		X				08 E
MW-14													-09A-E
TB			trip blank										-10A
COMMENTS: X SEE PAGE ONE OF Chain of Custody													
Relinquished By (signature): Amanda Brotz						Date / Time: 12/29/00		Received By (signature):		Date / Time:			
Relinquished By (signature):						Date / Time:		Received By (signature):		Date / Time:			
Relinquished By (signature):						Date / Time:		Received By (signature):		Date / Time:			

S I M A L A B S

I N T E R N A T I O N A L

March 16, 2001

RECEIVED

MAR 22 2001

Mike Maxwell
Weaver Boos & Gordon, Inc.
200 South Michigan, Suite 900
Chicago, IL 60604

WEAVER BOOS & GORDON, INC.

RE: 0072-02-11 / Feddeler C & D Facility

Work Order: ME0103048

Dear Mike Maxwell,

Enclosed are the results for the 3 Samples we received on Monday, March 05, 2001 for the analyses presented in the following report.

All data included has been reviewed for and meets all project specific and Quality Control requirements, unless otherwise noted.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,
SIMALABS International



Carla E. Svetich
Project Manager

Enclosures

S I M A L A B S

I N T E R N A T I O N A L

SIMALABS International

Date: Friday, March 16, 2001

CLIENT: Weaver Boos & Gordon, Inc.
Project: 0072-02-11 / Feddeler C & D Facility
Lab Order: ME0103048
Date Received: 3/5/2001

Work Order/ Sample Delivery Group Summary

Lab Sample ID	Client Sample ID	Client Description	Collection Date
ME0103048-01A	MW-12	Groundwater	05-Mar-01
ME0103048-01B	MW-12	Groundwater	05-Mar-01
ME0103048-01C	MW-12	Groundwater	05-Mar-01
ME0103048-01D	MW-12	Groundwater	05-Mar-01
ME0103048-01E	MW-12	Groundwater	05-Mar-01
ME0103048-02A	MW-13	Groundwater	05-Mar-01
ME0103048-02B	MW-13	Groundwater	05-Mar-01
ME0103048-02C	MW-13	Groundwater	05-Mar-01
ME0103048-02D	MW-13	Groundwater	05-Mar-01
ME0103048-02E	MW-13	Groundwater	05-Mar-01
ME0103048-03A	TB	Trip Blank	05-Mar-01

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Friday, March 16, 2001

Client:	Weaver Boos & Gordon, Inc.	Client Project:	0072-02-11 / Feddeler C & D
Client Sample ID:	MW-12	Work Order:	ME0103048
Sample Description:	Groundwater	SIMALABS ID:	ME0103048-01A
Sample Matrix:	Aqueous		
Collection Date:	03/05/01		
Date Received:	03/05/01		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
AMMONIA							
		Method: E350.1		Prep Date: 3/13/2001		Analyst: DG	
Nitrogen, Ammonia (As N)	A	0.38	0.1		mg/L	1	03/14/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits I - Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

1 of 11

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Friday, March 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-02-11 / Feddeler C & D

Client Sample ID: MW-12

Work Order: ME0103048

Sample Description: Groundwater

SIMALABS ID: ME0103048-01B

Sample Matrix: Aqueous

Collection Date: 03/05/01

Date Received: 03/05/01

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
CHLORIDE		Method: M4500-CL B	Prep Date:	Analyst: JG			
Chloride	A	51	1		mg/L	1	03/14/01
SULFATE		Method: E375.4	Prep Date:	Analyst: DG			
Sulfate	A	150	10		mg/L	1	03/06/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

I - Matrix Interference

2 of 11

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Friday, March 16, 2001

Client:	Weaver Boos & Gordon, Inc.	Client Project:	0072-02-11 / Feddeler C & D
Client Sample ID:	MW-12	Work Order:	ME0103048
Sample Description:	Groundwater	SIMALABS ID:	ME0103048-01C
Sample Matrix:	Aqueous		
Collection Date:	03/05/01		
Date Received:	03/05/01		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
PHENOLICS		Method: SW9066		Prep Date: 3/8/2001		Analyst: DG	
Phenolics, Total Recoverable	A	0.015	0.01		mg/L	1	03/09/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC)

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor

S - Spike recovery outside recovery limits I - Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

3 of 11

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Friday, March 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-02-11 / Feddeler C & D

Client Sample ID: MW-12

Work Order: ME0103048

Sample Description: Groundwater

SIMALABS ID: ME0103048-01D

Sample Matrix: Aqueous

Collection Date: 03/05/01

Date Received: 03/05/01

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA							
		Method: SW7060A		Prep Date: 3/6/2001		Analyst: JEK	
Arsenic	A	ND	0.01		mg/L	1	03/08/01
DISSOLVED METALS BY ICP							
		Method: SW6010B		Prep Date: 3/6/2001		Analyst: JEK	
Barium	A	0.071	0.01		mg/L	1	03/09/01
Sodium	A	91	1		mg/L	1	03/09/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I - Matrix Interference

4 of 11

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Friday, March 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-02-11 / Feddeler C & D

Client Sample ID: MW-12

Work Order: ME0103048

Sample Description: Groundwater

SIMALABS ID: ME0103048-01E

Sample Matrix: Aqueous

Collection Date: 03/05/01

Date Received: 03/05/01

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS							
		Method: SW8260B		Prep Date:		Analyst: CLR	
Benzene	A	ND	5		µg/L	1	03/13/01
2-Butanone	A	ND	10		µg/L	1	03/13/01
1,1-Dichloroethane	A	ND	5		µg/L	1	03/13/01
cis-1,2-Dichloroethene	A	ND	5		µg/L	1	03/13/01
trans-1,2-Dichloroethene	A	ND	5		µg/L	1	03/13/01
Ethylbenzene	A	ND	5		µg/L	1	03/13/01
Methylene chloride	A	6.3	5	B	µg/L	1	03/13/01
Toluene	A	ND	5		µg/L	1	03/13/01
Surr: Toluene-d8	S	100	88-110		% REC	1	03/13/01
Surr: 4-Bromofluorobenzene	S	104	86-115		% REC	1	03/13/01
Surr: Dibromofluoromethane	S	96	86-118		% REC	1	03/13/01
Surr: 1,2-Dichloroethane-d4	S	91	80-120		% REC	1	03/13/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I - Matrix Interference

5 of 11

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Friday, March 16, 2001

Client:	Weaver Boos & Gordon, Inc.	Client Project:	0072-02-11 / Feddeler C & D
Client Sample ID:	MW-13	Work Order:	ME0103048
Sample Description:	Groundwater	SIMALABS ID:	ME0103048-02A
Sample Matrix:	Aqueous		
Collection Date:	03/05/01		
Date Received:	03/05/01		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
AMMONIA							
		Method: E350.1		Prep Date: 3/13/2001		Analyst: DG	
Nitrogen, Ammonia (As N)	A	ND	0.1		mg/L	1	03/14/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC)

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

DF - Dilution Factor

S - Spike recovery outside recovery limits I - Matrix Interference
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

6 of 11

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Friday, March 16, 2001

Client:	Weaver Boos & Gordon, Inc.	Client Project:	0072-02-11 / Feddeler C & D
Client Sample ID:	MW-13	Work Order:	ME0103048
Sample Description:	Groundwater	SIMALABS ID:	ME0103048-02B
Sample Matrix:	Aqueous		
Collection Date:	03/05/01		
Date Received:	03/05/01		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
CHLORIDE		Method: M4500-CL B		Prep Date:		Analyst: JG	
Chloride	A	62	1		mg/L	1	03/14/01
SULFATE		Method: E375.4		Prep Date:		Analyst: DG	
Sulfate	A	140	10		mg/L	1	03/06/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I - Matrix Interference

7 of 11

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Friday, March 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-02-11 / Feddeler C & D

Client Sample ID: MW-13

Work Order: ME0103048

Sample Description: Groundwater

SIMALABS ID: ME0103048-02C

Sample Matrix: Aqueous

Collection Date: 03/05/01

Date Received: 03/05/01

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
PHENOLICS							
Method: SW9066				Prep Date: 3/8/2001		Analyst: DG	
Phenolics, Total Recoverable	A	0.011	0.01		mg/L	1	03/09/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

I - Matrix Interference

8 of 11

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Friday, March 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-02-11 / Feddeler C & D

Client Sample ID: MW-13

Work Order: ME0103048

Sample Description: Groundwater

SIMALABS ID: ME0103048-02D

Sample Matrix: Aqueous

Collection Date: 03/05/01

Date Received: 03/05/01

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA							
		Method: SW7060A		Prep Date: 3/6/2001		Analyst: JEK	
Arsenic	A	ND	0.01		mg/L	1	03/08/01
DISSOLVED METALS BY ICP							
		Method: SW6010B		Prep Date: 3/6/2001		Analyst: JEK	
Barium	A	0.11	0.01		mg/L	1	03/09/01
Sodium	A	40	2		mg/L	1	03/09/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I - Matrix Interference

9 of 11

ANALYTICAL RESULTS

Date: Friday, March 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-02-11 / Feddeler C & D

Client Sample ID: MW-13

Work Order: ME0103048

Sample Description: Groundwater

SIMALABS ID: ME0103048-02E

Sample Matrix: Aqueous

Collection Date: 03/05/01

Date Received: 03/05/01

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS							
Method: SW8260B				Prep Date:		Analyst: CLR	
Benzene	A	ND	5		µg/L	1	03/13/01
2-Butanone	A	ND	10		µg/L	1	03/13/01
1,1-Dichloroethane	A	ND	5		µg/L	1	03/13/01
cis-1,2-Dichloroethene	A	ND	5		µg/L	1	03/13/01
trans-1,2-Dichloroethene	A	ND	5		µg/L	1	03/13/01
Ethylbenzene	A	ND	5		µg/L	1	03/13/01
Methylene chloride	A	ND	5		µg/L	1	03/13/01
Toluene	A	ND	5		µg/L	1	03/13/01
Surr: Toluene-d8	S	97	88-110		% REC	1	03/13/01
Surr: 4-Bromofluorobenzene	S	104	86-115		% REC	1	03/13/01
Surr: Dibromofluoromethane	S	96	86-118		% REC	1	03/13/01
Surr: 1,2-Dichloroethane-d4	S	97	80-120		% REC	1	03/13/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant LevelS - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I - Matrix Interference

10 of 11

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: Friday, March 16, 2001

Client: Weaver Boos & Gordon, Inc.

Client Project: 0072-02-11 / Feddeler C & D

Client Sample ID: TB

Work Order: ME0103048

Sample Description: Trip Blank

SIMALABS ID: ME0103048-03A

Sample Matrix: Aqueous

Collection Date: 03/05/01

Date Received: 03/05/01

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS							
		Method: SW8260B		Prep Date:		Analyst: CLR	
Benzene	A	ND	5		µg/L	1	03/13/01
2-Butanone	A	ND	10		µg/L	1	03/13/01
1,1-Dichloroethane	A	ND	5		µg/L	1	03/13/01
cis-1,2-Dichloroethene	A	ND	5		µg/L	1	03/13/01
trans-1,2-Dichloroethene	A	ND	5		µg/L	1	03/13/01
Ethylbenzene	A	ND	5		µg/L	1	03/13/01
Methylene chloride	A	7.2	5	B	µg/L	1	03/13/01
Toluene	A	ND	5		µg/L	1	03/13/01
Surr: Toluene-d8	S	97	88-110		% REC	1	03/13/01
Surr: 4-Bromofluorobenzene	S	97	86-115		% REC	1	03/13/01
Surr: Dibromofluoromethane	S	95	86-118		% REC	1	03/13/01
Surr: 1,2-Dichloroethane-d4	S	93	80-120		% REC	1	03/13/01

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I - Matrix Interference

11 of 11

SIMALABS International

250 W. 84th Drive
Merrillville, IN 46410
(219) 769-8378

COOLER INSPECTION

Tuesday, March 06, 2001

Client Name: **WEAVER BOOS**Work Order Number **ME0103048**Checklist completed by: Kan Smith

Signature

Date

Date / Time Received: **3/5/01**Received by: **KRS**Reviewed by: **8**

Initials

Date

Carrier name: Client Delivered

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples received on ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature	Temp: On Ice		
VOA vials have zero headspace?	No VOA vials submitted <input type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Water - pH acceptable upon receipt?	No Water submitted <input type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

Adjusted? _____

Checked by ES**ANY NO AND/OR NA (NOT APPLICABLE) RESPONSE MUST BE DETAILED IN THE COMMENT SECTION BELOW.**

General Comments: _____

Sample ID	Client Sample ID	Comments
ME0103048-01A	MW-12	
ME0103048-01B	MW-12	
ME0103048-01C	MW-12	
ME0103048-01D	MW-12	
ME0103048-01E	MW-12	
ME0103048-02A	MW-13	
ME0103048-02B	MW-13	
ME0103048-02C	MW-13	
ME0103048-02D	MW-13	
ME0103048-02E	MW-13	
ME0103048-03A	TB	

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

SIMALABS

INTERNATIONAL

250 West 84th. Drive
Merrillville, IN 46410
Tel: 219-769-8378 / 800-536-8379
Fax: 219-769-1664

CHAIN OF CUSTODY

Number 31424

Page 1 of 1

Client: <u>Weaver Boos & Gordon</u>	Project Name: <u>Feddeler Landfill</u>	Project No. <u>0672-02-11</u>
Address: <u>200 S. Michigan Ave Suite 900</u>	Location: <u>Lowell, IN</u>	Purchase Order No. <u>0672-02-11</u>
<u>Chicago, IL 60604</u>	Turnaround Time (Circle One):	
Contact Person: <u>Mike Maxwell</u>	Rush: <u>24-Hours</u>	5 Days
(Please notify lab prior to delivery.)		
Send results: Telephone (Circle one) <u>312-922-1030</u>	48-Hours	72-Hours
Fax No. <u>312-922-0201</u>	E-Mail:	

Bill to Address: <u>Same as above</u>		Sample Signature: <u>[Signature]</u>																																																																																								
Sampled by (PRINT): <u>Rich Baker / Jason Strain</u>		Date: <u>3/5/01</u>																																																																																								
Sample #	Date	Time	Sample Description																																																																																							
MW-12	3/5/01	0935	Groundwater																																																																																							
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MW-13	3/5/01	0855	Groundwater																																																																																							
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<table border="1"> <thead> <tr> <th colspan="10">ANALYSIS REQUESTED</th> <th rowspan="2">Laboratory Identification</th> </tr> <tr> <th>Filtered (Y/N)</th> <th>Preserved</th> <th>Ammonia</th> <th>Wetchem</th> <th>Phenol</th> <th>Dis Metals</th> <th>VOCs</th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>N</td> <td>N</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td>01 ACE</td> </tr> <tr> <td>N</td> <td>N</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>01 D</td> </tr> <tr> <td>N</td> <td>N</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>01 B</td> </tr> <tr> <td>N</td> <td>N</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td>02 ACE</td> </tr> <tr> <td>N</td> <td>N</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>02 A</td> </tr> <tr> <td>N</td> <td>N</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>02 B</td> </tr> </tbody> </table>				ANALYSIS REQUESTED										Laboratory Identification	Filtered (Y/N)	Preserved	Ammonia	Wetchem	Phenol	Dis Metals	VOCs				N	N	X	X	X	X	X				01 ACE	N	N				X					01 D	N	N		X							01 B	N	N	X	X	X	X	X				02 ACE	N	N				X					02 A	N	N		X							02 B
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